



UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Dana Ault-Riche, et al. Art Unit : 1645
Serial No. : 10/699,088 Examiner : Unknown
Filed : October 30, 2003 Conf. No. : 7850
Cust. No. : 20985
Title : METHODS FOR PRODUCING POLYPEPTIDE-TAGGED COLLECTIONS
AND CAPTURE SYSTEMS CONTAINING THE TAGGED
POLYPEPTIDES

Mail Stop Amendment
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith are an Transmittal Letter (1 page-in duplicate), Information Disclosure Statement (2 pages), Form PTO-1449 (18 pages), bound cited references (8 volumes in two boxes), and return postcard for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a first office action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 06-1050, as stated below:

☒ The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

Stephanie L. Seidman
Reg. No. 33,779

Attorney Docket No. 17102-005001 / 1754

Address all correspondence to:

Stephanie L. Seidman
Fish & Richardson P.C.
12390 El Camino Real
San Diego, California 92130
Telephone: (858) 678-4777
Facsimile: (202) 626-7796
Email: seidman@fr.com

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE
WITH 37 C.F.R. §§1.97-1.98

Dear Sir:

Because this Information Disclosure Statement is filed before the receipt of a First Office Action on the Merits for the above-captioned application, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (18 pages) and copies of the cited references are provided herewith in connection with the above-captioned application.

The documents listed on the Form PTO-1449 are in the English language with the exception of item DC, which is in the French language and supplied with a U.S. equivalent (item BG). Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed item is necessary.

Applicant also makes known to the Examiner the following related, co-pending applications:

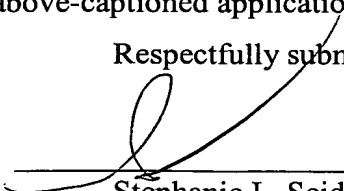
U.S.S.N.	Filing Date	Docket No.
10/699,113	10/30/03	1755
10/699,114	10/30/03	1759
10/806,924	3/22/04	1760
60/536,184	1/12/04	P1762

Int'l Appln. No.	Filing Date	Docket No.
PCT/US03/34821	10/30/03	1754PC
PCT/US03/34747	10/30/03	1755PC
PCT/US03/34693	10/30/03	1759PC

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references is effective as prior art against the subject application. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. 1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and make them of record in the file history of the above-captioned application.

Respectfully submitted,

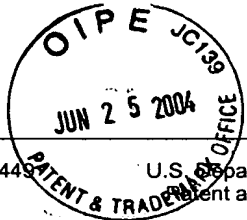


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San Diego, California 92130
Telephone: (858) 678-4777
Facsimile: (202) 626-7796
Email: seidman@fr.com



Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17102-005001 (25885-1754)	Application No. 10/699,088
	Applicant Dana Ault-Riche, Ph.D., et. al		
	Filing Date October 30, 2003		Group Art Unit 1645

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A	2002/0058335	05/16/02	Strachan et al.	435	325	03/28/01
	B	2002/0106702	08/08/02	Wagner et al.	435	7.9	03/29/02
	C	2002/0110932	08/15/02	Wagner et al.	436	518	03/29/02
	D	2002/0110933	08/15/02	Wagner et al.	436	518	03/29/02
	E	2002/0115225	08/15/02	Wagner et al.	436	518	03/29/02
	F	2002/0137053	09/26/02	Ault-Riche et al.	435	6	07/18/01
	G	2003/0003599	01/02/03	Wagner et al.	436	518	03/26/02
	H	2003/0022835	01/30/03	Watson et al.	514	12	05/20/02
	I	2003/0040471	02/27/03	Watson et al.	514	12	05/24/01
	J	2003/0138973	07/24/03	Wagner et al.	436	518	12/23/02
	K	2003/0143612	07/31/03	Ault-Riche et al.	435	6	12/27/02
	L	2003/0143676	07/31/03	Strachan et al.	435	69.1	05/28/02
	M	20040048311	03/11/04	Ault-Riche et al.	435	7.1	01/24/03
	N	3,843,443	10/22/74	Fishman	195	63	03/30/73
	O	3,939,123	02/17/76	Matthews et al.	260	77.5	06/18/74
	P	3,996,345	12/07/76	Ullman et al.	424	12	06/30/75
	Q	4,006,117	02/01/77	Merrifield et al.	260	45.9	06/06/75
	R	4,162,355	07/24/79	Tsibris	526	293	06/30/76
	S	4,171,412	10/16/79	Coupek et al.	525	329	04/17/75
	T	4,175,183	11/20/79	Ayers	536	57	05/24/78
	U	4,177,038	12/04/79	Biebricher et al.	8	192	05/17/77
	V	4,178,439	12/11/79	Ayers et al.	536	59	03/01/77
	W	4,179,402	12/18/79	Kim et al.	252	431	05/15/78
	X	4,180,524	12/25/79	Reusser et al.	585	644	02/16/78
	Y	4,241,537	12/30/80	Wood	47	77	05/10/79
	Z	4,282,287	08/04/81	Giese	428	407	01/24/80
	AA	4,351,760	09/28/82	Khanna et al.	260	112	09/07/79
	AB	4,439,585	03/27/84	Gould et al.	525	127	09/2/82
	AC	4,485,227	11/27/84	Fox	528	61	06/16/83

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. METHODS FOR PRODUCING POLYPEPTIDE-TAGGED COLLECTIONS AND CAPTURE SYSTEMS CONTAINING THE TAGGED POLYPEPTIDES	

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AD	4,507,230	03/26/85	Tam <i>et al.</i>	260	112.5	05/12/82
	AE	4,542,102	09/17/85	Dattagupta <i>et al.</i>	435	6	07/05/83
	AF	4,562,157	12/31/85	Lowe <i>et al.</i>	435	291	05/25/84
	AG	4,569,981	02/11/86	Wenzel <i>et al.</i>	528	67	07/06/81
	AH	4,681,870	07/21/87	Balint, Jr. <i>et al.</i>	502	403	01/11/85
	AI	4,734,454	03/29/88	Aihara <i>et al.</i>	524	555	03/05/86
	AJ	4,762,881	08/09/88	Kauer	525	54.11	01/09/87
	AK	4,777,128	10/11/88	Lippa	435	5	05/27/86
	AL	4,885,250	12/05/89	Eveleigh <i>et al.</i>	435	181	03/02/87
	AM	4,894,443	01/16/90	Greenfield <i>et al.</i>	530	388	09/07/84
	AN	4,927,879	05/22/90	Pidgeon	525	54.1	10/24/88
	AO	4,927,923	05/22/90	Mathis <i>et al.</i>	540	456	09/20/85
	AP	4,931,498	06/05/90	Pidgeon	525	54.1	02/25/88
	AQ	4,954,444	09/04/90	Eveleigh <i>et al.</i>	435	181	12/17/87
	AR	5,084,398	01/28/92	Huston <i>et al.</i>	436	535	10/23/90
	AS	5,092,992	03/03/92	Crane <i>et al.</i>	210	198.2	05/17/91
	AT	5,162,508	11/10/92	Lehn <i>et al.</i>	534	15	07/26/91
	AU	5,198,346	03/30/93	Ladner <i>et al.</i>	435	69.1	07/26/90
	AV	5,279,943	01/18/94	Mathis <i>et al.</i>	435	7.32	01/19/93
	AW	5,328,603	07/12/94	Velandar <i>et al.</i>	210	198.2	08/19/92
	AX	5,334,640	08/02/94	Desai <i>et al.</i>	524	56	04/08/92
	AY	5,389,449	02/14/95	Afeyan <i>et al.</i>	428	523	01/05/93
	AZ	5,403,750	04/04/95	Braatz <i>et al.</i>	436	531	04/08/91
	BA	5,416,193	05/16/95	Desai	530	334	04/30/93
	BB	5,432,018	07/11/95	Dower <i>et al.</i>	435	5	06/20/91
	BC	5,443,816	08/22/95	Zamora <i>et al.</i>	424	1.69	02/20/92
	BD	5,451,683	09/19/95	Barrett <i>et al.</i>	548	302.7	04/23/93
	BE	5,494,810	02/27/96	Barany <i>et al.</i>	435	91.52	11/22/94
	BF	5,547,839	08/20/96	Dower <i>et al.</i>	435	6	12/06/90

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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17102-005001 (25885-1754)		Application No. 10/699,088	
Information Disclosure Statement by Applicant (Use several sheets if necessary)				Applicant Dana Ault-Riche, Ph.D., et. al			
(37 CFR §1.98(b))				Filing Date October 30, 2003		Group Art Unit 1645	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BG	5,512,493	04/30/96	Mathis <i>et al.</i>	436	537	05/26/93
	BH	5,612,474	03/18/97	Patel	536	27.14	07/30/94
	BI	5,625,048	04/29/97	Tsien <i>et al.</i>	536	23.4	11/10/94
	BJ	5,741,462	04/21/98	Nova <i>et al.</i>	422	68.1	04/25/95
	BK	5,744,305	04/28/98	Fodor <i>et al.</i>	435	6	06/06/95
	BL	5,751,629	05/12/98	Nova <i>et al.</i>	365	151	06/07/95
	BM	5,800,996	09/01/98	Lee <i>et al.</i>	435	6	10/04/96
	BN	5,811,231	09/22/98	Farr <i>et al.</i>	435	6	07/21/95
	BO	5,863,727	01/26/99	Lee <i>et al.</i>	435	6	05/03/96
	BP	5,874,214	02/23/99	Nova <i>et al.</i>	435	6	10/03/95
	BQ	5,888,732	03/30/99	Hartley <i>et al.</i>	435	6	06/07/96
	BR	5,916,804	06/29/99	Bushman	435	325	04/17/98
	BS	5,925,562	07/20/99	Nova <i>et al.</i>	435	287.1	06/07/95
	BT	5,948,677	09/07/99	Jarvik	435	325	12/09/96
	BU	5,961,923	10/05/99	Nova <i>et al.</i>	422	68.1	09/30/96
	BV	5,972,639	10/26/99	Parandoosh	435	29	07/24/97
	BW	5,998,204	12/07/99	Tsien <i>et al.</i>	435	325	03/14/97
	BX	6,013,487	01/11/00	Mitchell	435	91.3	12/13/96
	BY	6,017,496	01/25/00	Nova <i>et al.</i>	422	68.1	09/06/96
	BZ	6,025,129	02/15/00	Nova <i>et al.</i>	435	6	12/05/95
	CA	6,087,186	07/11/00	Cargill <i>et al.</i>	436	518	02/02/95
	CB	6,096,717	08/01/00	Jarvik	514	44	11/08/96
	CC	6,117,679	09/12/00	Stemmer	435	440	03/25/96
	CD	6,140,129	10/31/00	Cox <i>et al.</i>	435	477	09/16/98
	CE	6,143,557	11/07/00	Hartley <i>et al.</i>	435	320.1	01/20/99
	CF	6,165,709	12/26/00	Friend <i>et al.</i>	435	4	02/26/98
	CG	6,171,861	01/09/01	Hartley <i>et al.</i>	435	455	01/12/98
	CH	6,174,708	01/16/01	Sodoyer <i>et al.</i>	435	91.1	01/22/99
	CI	6,232,107	05/15/01	Bryan <i>et al.</i>	435	189	03/26/99

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U.S. Patent Documents

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	CJ	6,238,923	05/29/01	Passmore <i>et al.</i>	435	440	11/01/99
	CK	6,242,419	06/05/01	Strachan <i>et al.</i>	514	12	08/26/99
	CL	6,247,995	06/19/01	Bryan	446	473	02/06/96
	CM	6,329,209	12/11/01	Wagner <i>et al.</i>	436	518	07/14/99
	CN	6,333,155	12/25/01	Lockhart <i>et al.</i>	435	6	12/18/98
	CO	6,365,418	04/02/02	Wagner <i>et al.</i>	436	518	05/18/00
	CP	6,403,309	06/11/02	Iris <i>et al.</i>	435	6	03/19/99
	CQ	6,406,840	06/18/02	Li <i>et al.</i>	435	1.3	12/17/99
	CR	6,406,921	06/18/02	Wagner <i>et al.</i>	436	518	07/14/98
	CS	6,461,807	10/08/02	Friend <i>et al.</i>	435	4	11/10/00
	CT	6,468,476	10/22/02	Friend <i>et al.</i>	422	68.1	10/27/99
	CU	6,475,808	11/05/02	Wagner <i>et al.</i>	436	518	07/14/99
	CV	6,475,809	11/05/02	Wagner <i>et al.</i>	436	518	05/12/00
	CW	6,576,478	06/10/03	Wagner <i>et al.</i>	436	518	07/14/98
	CX	6,582,969	06/24/03	Wagner <i>et al.</i>	436	518	05/12/00
	CY	6,596,545	07/22/03	Wagner <i>et al.</i>	436	518	07/14/99
	CZ	6,630,358	10/07/03	Wagner <i>et al.</i>	436	518	05/12/00
	DA	6,635,757	10/21/03	Kumble <i>et al.</i>	536	124	09/14/01

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	DB	86/03840	07/03/86	PCT				
	DC	92/01225	01/23/92	PCT				
	DD	98/15825	04/16/98	PCT				
	DE	98/31732	07/23/98	PCT				
	DF	99/19515	04/22/99	PCT				
	DG	00/04382	01/27/00	PCT				
	DH	00/04389	01/27/00	PCT				
	DI	00/04390	01/27/00	PCT				
	DJ	01/02600	01/11/01	PCT				

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				Filing Date October 30, 2003		Group Art Unit 1645		
Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	DK	01/13119	02/22/01	PCT				
	DL	01/14589	03/01/01	PCT				
	DM	02/06834	01/24/02	PCT				
	DN	03/062402	07/31/03	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	DO	Abedi, M.R. <i>et al.</i> , "Green Fluorescent Protein as a Scaffold for Intracellular Presentation of Peptides", <i>Nuc. Acids Res.</i> , 26 (2):623-630 (1998)
	DP	Alber, T., "Structure of the leucine zipper", <i>Current Opinion in Genetics and Development</i> , 2 :205-210 (1992)
	DQ	Alexander, H. <i>et al.</i> , "Altering the antigenicity of proteins", <i>Proc. Nat. Acad. Sci. USA</i> , 89 :3352-3356.
	DR	Anderson, J.M. <i>et al.</i> , "Characterization of ZO-1, a Protein Component of the Tight Junction from Mouse Liver and Madin-Darby Canine Kidney Cells", <i>J. Cell Biol.</i> , 106 (4):1141-1149 (1988)
	DS	Arndt, K.M. <i>et al.</i> , "A heterodimeric coiled-coil peptide pair selected in vivo from a designed library-versus-library ensemble", <i>J. Mol. Biol.</i> , 295 (3):627-639 (2000)
	DT	Arndt, K.M. <i>et al.</i> , "Helix-stabilized Fv (hsFv) Antibody Fragments: Substituting the Constant Domains of a Fab Fragment for a Heterodimeric Coiled-coil Domain", <i>J. Mol. Biol.</i> , 312 :221-228 (2001)
	DU	Ault-Riche, D.B. and A. Kornberg, "Definitive Enzymatic Assays in Polyphosphate Analysis", <i>Prog. Mol. Subcell Biol.</i> , 23 :241-252 (1999)
	DV	Ault-Riche, D.B. <i>et al.</i> , "A single mutation at lysine 426 of human placental S-adenosylhomocysteine hydrolase inactivates the enzyme", <i>J. Biol. Chem.</i> , 269 (50):31472-31478 (1994)
	DW	Ault-Riche, D.B. <i>et al.</i> , "Effects of 4'-modified analogs of aristeromycin on the metabolism of S-adenosyl-L-homocysteine in murine L929 cells", <i>Mol. Pharmacol.</i> 43 (6):989-997 (1993)
	DX	Ault-Riche, D.B. <i>et al.</i> , "Novel Assay Reveals Multiple Pathways Regulating Stress-Induced Accumulations of Inorganic Polyphosphate in <i>Escherichia coli</i> ", <i>J. Bacteriol.</i> 180 (7):1841-1847 (1998)
	DY	Bagel, O. <i>et al.</i> , "Subfemtomolar Determination of Alkaline Phosphatase at a Disposable Screen-Printed Electrode Modified with a Perfluorosulfonated Ionomer Film", <i>Anal. Chem.</i> , 69 (22):4688-4694 (1997)
	DZ	Baldwin, T.O. <i>et al.</i> , "Cloning of the Luciferase Structural Genes from <i>Vibrio harveyi</i> and Expression of Bioluminescence in <i>Escherichia coli</i> ", <i>Biochem.</i> , 23 :3663-3667 (1984)
	EA	Baldwin, J.J. <i>et al.</i> , "Synthesis of a Small Molecule Combinatorial Library Encoded with Molecular Tags", <i>J. Am. Chem. Soc.</i> , 117 :5588-5589 (1995)
	EB	Barany, F., "The Ligase Chain Reaction in a PCR World", <i>PCR Methods and Applications</i> 1 :5-16 (1991)
	EC	Batra, J.K. <i>et al.</i> , "Insertion of Constant Region Domains of Human IgG1 into CD4-PE40 Increases its Plasma Half-life", <i>Molecular Immunology</i> , 30 (4):379-386 (1993)

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				Filing Date October 30, 2003	Group Art Unit 1645
Other Documents (include Author, Title, Date, and Place of Publication)					
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	ED	Bauer, C.G. <i>et al.</i> , "Zeptomole-detecting biosensor for alkaline phosphatase in an electrochemical immunoassay for 2,4-dichlorophenoxyacetic acid", <i>Anal Chem.</i> 68 (15):2453-2458 (1996)			
	EE	Bäumert, H.G. and H. Fasold, "Cross-Linking Techniques", <i>Methods in Enzymology</i> 172 : 584-609 (1989)			
	EF	Beatch, M. <i>et al.</i> , "The Tight Junction Protein ZO-2 Contains Three PDZ (PSD-95/Discs-Large/ZO-1) Domains and an Alternatively Spliced Region", <i>J. Biol. Chem.</i> , 271 (42):25723-25726 (1996)			
	EG	Behar, V. <i>et al.</i> , "Photoaffinity Cross-linking Identifies Differences in Interactions of an Agonist and an Antagonist with the Parathyroid Hormone/Parathyroid Hormone-related Protein Receptor", <i>J. Biol. Chem.</i> 275 (1):9-17 (2000)			
	EH	Berg, R.H. <i>et al.</i> , "Peptide Synthesis on Polystyrene-Grafted Polyethylene Sheets", IN <i>Pept. 1988, Proc. Eur. Pept. Symp., 20th</i> , Jung, G. et al. (Eds), pp. 196-198 (1989)			
	EI	Berg, R.H. <i>et al.</i> , "Long-Chain Polystyrene-Grated Polyethylene Film Matrix: A New Support for Solid-Phase Peptide Synthesis", <i>J. Am. Chem. Soc.</i> , 111 :8024-8026 (1989)			
	EJ	Berg, R.H. <i>et al.</i> , "Polystyrene-Grafted Polyethylene: Design of Film and Felt Matrices for Solid-Phase Peptide Synthesis", IN <i>Innovation Perspect. Solid Phase Synth. Collect Pap., Int. Symp., 1st</i> , Epton, R. (Ed), pp. 453-459 (1990)			
	EK	Berger, J. <i>et al.</i> , "Secreted placental alkaline phosphatase: a powerful new quantitative indicator of gene expression in eukaryotic cells", <i>Gene</i> , 66 :1-10 (1988)			
	EL	Besemer, J. <i>et al.</i> , "Cross-linking of human neutrophil surface proteins to iodinated interleukin 8 or neutrophil activating peptide-2 results in at least four separable proteins", <i>Cytokine</i> , 5 (5):512-519 (1993)			
	EM	Boman, H.G. "Peptide Antibiotics and Their Role in Innate Immunity", <i>Annu. Rev. Immunol.</i> , 13 : 61-92 (1995)			
	EN	Braisted, A.C. and J.A. Wells, "Minimizing a Binding Domain from Protein A", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93 :5688-5692 (1996)			
	EO	Bray, A.M. <i>et al.</i> "The Simultaneous Multiple Production of Solution Phase Peptides; Assessment of the Geysen Method of Simultaneous Peptide Synthesis" <i>Tetrahedron Letters</i> , 31 :5811-5814 (1990)			
	EP	Bray, A.M. <i>et al.</i> , "Direct Cleavage of Peptides from a Solid Support into Aqueous Buffer. Application in Simultaneous Multiple Peptide Synthesis", <i>J. Org. Chem.</i> , 56 :6659-6666 (1991)			
	EQ	Broach, J.R. <i>et al.</i> , "Recombination within the Yeast Plasmid 2μ Circle is Site-Specific", <i>Cell</i> , 29 :227-234 (1982)			
	ER	Brown, B.B. <i>et al.</i> , "A single-bead decode strategy using electrospray ionization mass spectrometry and a new photolabile linker: 3-Amino-3-(2-nitrophenyl) propionic acid", <i>Molecular Diversity</i> , 1 (1):4-12 (1995).			
	ES	Brown, L.E. <i>et al.</i> , "Extension of a Minimal T Cell Determinant Allows Relaxation of the Requirement for Particular Residues Within the Determinant", <i>International Immunology</i> 3 (12):1307-1313 (1991)			
	ET	Bulyk, M.L. <i>et al.</i> , "Exploring the DNA-binding specificities of zinc fingers with DNA microarrays", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 98 (13):7158-7163 (2001)			
	EU	Bunin, B.A. <i>et al.</i> , "The Combinatorial Synthesis and Chemical and Biological Evaluation of a 1,4-Benzodiazepine Library", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 91 :4708-4712 (1994).			
	EV	Cantor, E.J. and S. Chong, "Intein-mediated Rapid Purification of Cre Recombinase", <i>Prot. Exp. Purific.</i> 22 (1):135-140 (2001)			
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	EW	Cardullo, R.A. <i>et al.</i> , "Detection of nucleic acid hybridization by nonradiative fluorescence resonance energy transfer", <i>Proc. Natl. Acad. Sci. U.S.A.</i> 85 :8790-8794 (1988)		
	EX	Carlsson, J. <i>et al.</i> , "Protein thiolation and reversible protein-protein conjugation", <i>Biochem. J.</i> , 173 (3):723-737; (1978)		
	EY	Caruthers, M.H. <i>et al.</i> , "Deoxyoligonucleotide Synthesis via the Phosphoramidite Method", <i>Gene Amplif. Anal.</i> , 3 :1-26 (1983).		
	EZ	Changelian, P.S. <i>et al.</i> , "Structure of the NGFI-A gene and detection of upstream sequences responsible for its transcriptional induction by nerve growth factor," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 86 :377-381 (1989).		
	FA	Chao, H. <i>et al.</i> , "Use of a heterodimeric coiled-coil system for biosensor application and affinity purification", <i>J. Chromatogr. B Biomed. Sci. Appl.</i> 715 (1):307-329 (1998)		
	FB	Chen, C. <i>et al.</i> , "'Analogous' Organic Synthesis of Small-Compound Libraries: Validatino of Combinatorial Chemistry in Small-Molecule Synthesis", <i>J. Am. Chem. Soc.</i> , 116 :2661-2662 (1994)		
	FC	Chen, A. <i>et al.</i> , "Tyrosine 27 of the specificity polypeptide of EcoKI can be UV crosslinked to a bromodeoxyuridine-substituted DNA target sequence", <i>Nucleic. Acids. Res.</i> , 23 (7):1177-1183 (1995)		
	FD	Chmura, A.J. <i>et al.</i> , "Antibodies with Infinite Affinity", <i>Proc. Natl. Acad. Sci. USA</i> , 98 (15):8480-8484 (2001)		
	FE	Chmura, A.J. <i>et al.</i> , "Electrophilic chelating agents for irreversible binding of metal chelates to engineered antibodies", <i>J. Control. Release</i> , 78 (1-3):249-258 (2002)		
	FF	Christmann, A. <i>et al.</i> , "The cystine knot of a squash-type protease inhibitor as a structural scaffold for Escherichia coli cell surface display of conformationally constrained peptides", <i>Protein Eng.</i> , 12 (9):797-806 (1999)		
	FG	Coljee, V.W. <i>et al.</i> , "Seamless gene engineering using RNA- and DNA-overhang cloning", <i>Nat. Biotechnol.</i> , 18 (7):789-791 (2000)		
	FH	Comb, M. <i>et al.</i> , "A cyclic AMP-and phorbol ester-inducible DNA element", <i>Nature</i> , 323 :353-356 (1986)		
	FI	Cox, J.C. and A.D. Ellington, "Automated selection of anti-protein aptamers", <i>Bioorg Med Chem.</i> , 9 (10):2525-2531 (2001)		
	FJ	Cullen, B.R. and M.H. Malim, "Secreted Pacental Alkaline Phosphatase as a Eukaryotic Reporter Gene", <i>Methods in Enzymology</i> 216 : 362-368 (1992)		
	FK	Cumber, A.J. <i>et al.</i> , "Structural Features of the Antibody-A Chain Linkage that Influences the Activity and Stability of Ricin A Chain Immunotoxins", <i>Bioconj. Chem.</i> , 3 :397-401 (1992)		
	FL	Cwirla, S.E. <i>et al.</i> , "Peptides on phage: A vast library of peptides for identifying ligands", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 87 :6378-6382 (1990).		
	FM	Datta, H.J. <i>et al.</i> , "Triplex-induced Recombination in Human Cell-free Extracts", <i>J. Biol. Chem.</i> , 276 (21):18018-18023 (2001)		
	FN	Della Ciana, L. <i>et al.</i> , "Highly sensitive amperometric measurement of alkaline phosphatase activity with glucose oxidase amplification", <i>J. Electroanal. Chem.</i> , 382 : 129-135 (1995)		
	FO	De Marini, D.J. <i>et al.</i> , "Oligonucleotide-Mediated, PCR-Independent Cloning by Homologous Recombination", <i>Biotechniques</i> , 30 (3):520-523 (2001)		
	FP	Devlin, J.J. <i>et al.</i> , "Random Peptide Libraries: A Source of Specific Protein "Binding Molecules", <i>Science</i> , 249 :404-406 (1990)		
	FQ	De Wet, J.R. <i>et al.</i> , "Firefly Luciferase Gene: Structure and Expression in Mammalian Cells," <i>Molecular and Cellular Biology</i> , 7 (2): 725-737 (1987).		

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	FR	DeWitt, S.H. <i>et al.</i> , "'Diversomers': An Approach to Nonpeptide, Nonoligomeric Chemical Diversity", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 90:6909-6913 (1993)		
	FS	Dong, H. <i>et al.</i> , "Tumor-associated B7-H1 promotes T-cell apoptosis: A potential mechanism of immune evasion", <i>Nature Medicine</i> , 8(8): 793-800 (2002)		
	FT	dos Remedios, C.G. and P.D.J. Moens, "Fluorescence resonance energy transfer measurements of distances in actin and myosin. A critical evaluation", <i>Journal of Muscle Research and Cell Motility</i> , 8: 97-117 (1987)		
	FU	dos Remedios, C.G. <i>et al.</i> , "Fluorescence Resonance Energy Transfer Spectroscopy is a Reliable 'Ruler' for Measuring Structural Changes in Proteins", <i>Journal of Structural Biology</i> , 115: 175-185 (1995)		
	FV	Dower, W.J. and S.P.A. Fodor, "The Search for Molecular Diversity (II): Recombinant and Synthetic Randomized Peptide Libraries", <i>Annual Reports in Medicinal Chemistry</i> , 26:271-280 (1991).		
	FW	Duncan, R.J.S. <i>et al.</i> , "A new reagent which may be used to introduce sulfhydryl groups into proteins, and its use in the preparation of conjugates for immunoassay", <i>Analytical Biochemistry</i> , 132: 68-73 (1983)		
	FX	Ellington, A.D. and J.W. Szostak, "Selection <i>in vitro</i> of single-stranded DNA molecules that fold into specific ligand-binding structures", <i>Nature</i> , 355:850-852 (1992)		
	FY	Engbrecht, J. and M. Silverman, "Identification of genes and gene products necessary for bacterial bioluminescence", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 81:4154-4158 (1984)		
	FZ	Engler, L.E. <i>et al.</i> , "The energetics of the interaction of BamHI endonuclease with its recognition site GGATCC", <i>J. Mol. Biol.</i> 307(2):619-636 (2001)		
	GA	Fairclough, R.H. and C.R. Cantor, "The use of singlet-singlet energy transfer to study macromolecular assemblies", <i>Methods in Enzymology</i> , 48: 347-379 (1978)		
	GB	Fanning, A.S. <i>et al.</i> , "The tight junction protein ZO-1 establishes a link between the transmembrane protein occludin and the actin cytoskeleton", <i>Journal of Biological Chemistry</i> , 273(45): 29745-29753 (1998)		
	GC	Fattom, A. <i>et al.</i> , "Comparative Immunogenicity of Conjugates Composed of the Staphylococcus aureus Type 8 Capsular Polysaccharide Bound to Carrier Proteins by Adipic Acid Dihydrazide or N-Succinimidyl-3-(2-Pyridyldithio)propionate", <i>Infection & Immunity</i> , 60(2):584-589; (1992).		
	GD	Fieser, T.M. <i>et al.</i> , "Influence of protein flexibility and peptide conformation on reactivity of monoclonal anti-peptide antibodies with a protein alpha-helix", <i>Proc. Natl. Acad. Sci. USA</i> , 84(23):8568-8572 (1987)		
	GE	Fink, J.S. <i>et al.</i> , "The CGTCA sequence motif is essential for biological activity of the vasoactive intestinal peptide gene cAMP-regulated enhancer," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 85:6662-6666 (1988).		
	GF	Fodor, S.P.A. <i>et al.</i> , "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", <i>Science</i> , 251:767-773, (1991)		
	GG	Forest, K.T. <i>et al.</i> , "Assembly and antigenicity of the <i>Neisseria gonorrhoeae</i> pilus mapped with antibodies", <i>Infection and Immunity</i> , 64(2):644-652 (1996)		
	GH	Gallop, M.A. <i>et al.</i> , "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries", <i>J. Med. Chem.</i> , 37(9):1233-1251 (1994).		
	GI	Gammon, G. <i>et al.</i> , "T cell determinant structure: cores and determinant envelopes in three mouse major histocompatibility complex haplotypes", <i>J. Exp. Med.</i> , 173:609-617 (1991)		
	GJ	Gassmann, M. <i>et al.</i> , "Efficient production of chicken egg yolk antibodies against a conserved mammalian protein", <i>FASEB J.</i> , 4(8):2528-2532 (1990)		
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	GK	Getzoff, E.D. <i>et al.</i> , "Mechanisms of Antibody Binding to a Protein", <i>Science</i> , 235(4793):1191-1196 (1987)			
	GL	Getzoff, E.D. <i>et al.</i> , "The Chemistry and Mechanism of Antibody Binding to Protein Antigens", <i>Advances in Immunology</i> , 43:1-98 (1988)			
	GM	Geysen, H.M. <i>et al.</i> , "Chemistry of Antibody Binding to a Protein", <i>Science</i> , 235(4793):1184-1190 (1987)			
	GN	Geysen, H.M. <i>et al.</i> , "Isotope or mass encoding of combinatorial libraries", <i>Chemistry & Biology</i> , 3(8):679-688 (1996)			
	GO	Geysen, H.M. "Antigen-antibody interactions at the molecular level: adventures in peptide synthesis", <i>Immunology Today</i> , 6(12):364-369 (1985)			
	GP	Geysen, H.M., and Mason, T.J., "Screening chemically synthesized peptide libraries for biologically-relevant molecules", <i>Bioorg. Med. Chem. Lett.</i> , 3(3):397404 (1993)			
	GQ	Geysen, H.M. <i>et al.</i> , "Small Peptides Induce Antibodies with a Sequence and Structural Requirement for Binding Antigen Comparable to Antibodies Raised Against the Native Protein", <i>Proc. Natl. Acad. Sci. USA</i> , 82(1):178-182 (1985)			
	GR	Geysen, H.M., <i>et al.</i> , "Peptides Which Mimic Carbohydrate Antigens", <i>Towards Better Carbohydrate Vaccines</i> (eds Bell, R. <i>et al.</i>) pp 103-118 (1987)			
	GS	Geysen, H.M. <i>et al.</i> , "Cognitive Features of Continuous Antigenic Determinants", <i>J. Molecular Recognition</i> , 1(1):32-41. (1988)			
	GT	Geysen, H.M. <i>et al.</i> , "Use of peptide synthesis to probe viral antigens for epitopes to a resolution of a single amino acid", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 81:3998-4002 (1984).			
	GU	Geysen, H.M. <i>et al.</i> , "A Priori Delineation of a Peptide Which Mimics a Discontinuous Antigenic Determinant", <i>Molecular Immunology</i> , 23(7):709-715 (1987)			
	GV	Geysen, H.M. <i>et al.</i> , "Strategies for epitope analysis using peptide synthesis", <i>J. Immunological Methods</i> , 102:259-274 (1987)			
	GW	Ghahroudi, M.A. <i>et al.</i> , "Selection and identification of single domain antibody fragments from camel heavy-chain antibodies", <i>FEBS Letters</i> , 414:521-526 (1997)			
	GX	Ghosh, R.N. <i>et al.</i> , "Cell-Based, High-Content Screen for Receptor Internalization, Recycling and Intracellular Trafficking", <i>Biotechniques</i> , 29(1): 170-175 (2000)			
	GY	Goldmacher, V.S. <i>et al.</i> , "Photoactivation of Toxin Conjugates", <i>Bioconjugate Chemistry</i> , 3:104-107 (1992)			
	GZ	Goodenough, D.A. <i>et al.</i> , "Topological Distribution of Two Connexin32 Antigenic Sites in Intact and Split Rodent Hepatocyte Gap Junctions", <i>J. Cell Biol.</i> , 107(5):1817-1824 (1988)			
	HA	Gordon, R.D. <i>et al.</i> , "Topographical localization of the C-terminal region of the voltage-dependent sodium channel from <i>Electrophorus electricus</i> using antibodies raised against a synthetic peptide," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 84:308-12 (1987).			
	HB	Gordon, G.W. <i>et al.</i> , "Quantitative fluorescence resonance energy transfer measurements using fluorescence microscopy", <i>Biophys J.</i> , 74: 2702-2713 (1998)			
	HC	Griffin, B.A. <i>et al.</i> , "Specific Covalent Labeling of Recombinant Protein Molecules Inside Live Cells", <i>Science</i> , 281:269-272 (1998)			
	HD	Guesdon, J.-L. <i>et al.</i> , "The use of avidin-biotin interaction in immunoenzymatic techniques", <i>J. Histochem. Cytochem.</i> 27(8):1131-1139 (1979).			
	HE	Gupta, R.A. <i>et al.</i> , "Limited Proteolysis of S-Adenosylhomocysteine Hydrolase: Implications for the Three-Dimensional Structure", <i>Arch. Biochem. Biophys.</i> , 319(2):365-371 (1995).			
	HF	Gupta, S. <i>et al.</i> , "Simplified Gene-Fragment Phage Display System for Epitope Mapping", <i>BioTechniques</i> , 27(2):328-330, 332-334 (1999)			

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	HG	Hackeng, T.M. <i>et al.</i> , "Total chemical synthesis of human matrix Gla protein", <i>Protein Sci.</i> , 10(4): 864-870 (2001)			
	HH	Hale, J.E., "Irreversible, Oriented Immobilization of Antibodies to Cobalt-Iminodiacetate Resin for Use as Immnoaffinity Media", <i>Analytical Biochemistry</i> , 231:46-49 (1995)			
	HI	Hall, C.V. <i>et al.</i> , "Expression and Regulation of Escherichia coli lacZ Gene Fusions in Mammalian Cells", <i>Journal of Molecular and Applied Genetics</i> , 2:101-109 (1983)			
	HJ	Hamers-Casterman, C. <i>et al.</i> , "Naturally occurring antibodies devoid of light chains", <i>Nature</i> , 363(6428):446-8 (1993)			
	HK	Hanes, J. and A. Plückthun, "In vitro selection and evolution of functional proteins by using ribosome display", <i>Proc Natl. Acad. Sci. USA</i> , 94(10):4937-4942 (1997)			
	HL	Hay, F.C. <i>et al.</i> , "Framework peptides from kappallb rheumatoid factor light chains with binding activity for aggregated IgG", <i>Eur. J. Immunol.</i> , 21: 1837-1841 (1991)			
	HM	Hazum, E. <i>et al.</i> , "A Photocleavable Protecting Group for the Thiol Function of Cysteine", <i>Pept. Proc. Eur. Pept. Symp. 16th</i> , Brunfeldt, K. (Ed), pp. 105-110 (1981)			
	HN	Heim, R. and R.Y. Tsien, "Engineering green fluorescent protein for improved brightness, longer wavelengths and fluorescence resonance energy transfer", <i>Current Biology</i> , 6(2):178-182 (1996)			
	HO	Hermann, T. and D.J. Patel, "Adaptive Recognition by Nucleic Acid Apatamers", <i>Science</i> 287:820-825 (2000)			
	HP	Hodges, R.S., "De novo design of alpha-helical proteins: basic research to medical applications" <i>Biochem Cell Biol.</i> 74(2):133-154 (1996)			
	HQ	Holt, L.J. <i>et al.</i> , "The use of recombinant antibodies in proteomics", <i>Curr. Opin. Biotechnol.</i> 11(5):445-449 (2000)			
	HR	Hooper, N.M. <i>et al.</i> , "Membrane protein secretases", <i>Biochem. J.</i> , 321: 265-279 (1997)			
	HS	Hsu, S.-M. <i>et al.</i> , "A Comparative Study of the Peroxidase-antiperoxidase Method and an Avidin-Biotin Complex Method for Studying Polypeptide Hormones with Radioimmunoassay Antibodies", <i>Am. Soc. Clin. Pathol.</i> , 75(5): 734-738 (1981)			
	HT	Hsu, S.-M. <i>et al.</i> , "The use of antiavidin antibody and avidin-biotin-peroxidase complex in immunoperoxidase technics", <i>Am. J. Clin. Pathol.</i> , 75(6): 816-821 (1981)			
	HU	Hsu, S.-M. <i>et al.</i> , "Use of avidin-biotin-peroxidase complex (ABC) in immunoperoxidase techniques: a comparison between ABC and unlabeled antibody (PAP) procedures", <i>J. Histochem. Cytochem.</i> , 29(4):577-580 (1981)			
	HV	Huber, J. <i>et al.</i> , "Characterisation of high-affinity and low-affinity receptors for ciliary neurotrophic factor", <i>Eur. J. Biochem.</i> 218(3):1031-1039 (1993)			
	HW	Hunter, T. "Protein Kinases and Phosphatases: The Yin and Yang of Protein Phosphorylation and Signaling", <i>Cell</i> , 80: 225-236 (1995)			
	HX	Huston, J.S. <i>et al.</i> , "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", <i>Proc. Natl. Acad. Sci. USA</i> , 85:5879-5883 (1988)			
	HY	Ill, C.R. <i>et al.</i> , "A COOH-Terminal Peptide Confers Regiospecific Orientation and Facilitates Atomic Force Microscopy of an IgG1", <i>Biophys. J.</i> , 64:919-924 (1993)			
	HZ	Isalan, M. <i>et al.</i> , "A rapid, generally applicable method to engineer zinc fingers illustrated by targeting the HIV-1 promoter", <i>Nat. Biotechnol.</i> 19(7):656-660 (2001)			
	IA	"IUPAC-IUB Commission on Biochemical Nomenclature Symbols for Amino-Acid Derivatives and Peptides Recommendations (1971)", <i>Biochem.</i> , 11(9):1726-1732 (1972)			

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	IB	Jameson, D.M. and W.H. Sawyer, "Fluorescence Anisotropy Applied to Biomolecular Interactions", <i>Methods Enzymol.</i> , 246:283-300 (1995)			
	IC	Jamieson, A.C. et al., "In Vitro Selection of Zinc Fingers with Altered DNA-Binding Specificity", <i>Biochemistry</i> , 33(19):5689-5695 (1994)			
	ID	Jesaitis, L.A. and D.A. Goodenough, "Molecular characterization and tissue distribution of ZO-2, a tight junction protein homologous to ZO-1 and the Drosophila discs-large tumor suppressor protein", <i>J. Cell Biol.</i> , 124(6):949-961 (1994)			
	IE	Jung, G. and A.G. Beck-Sickinger, "Multiple Peptide Synthesis Methods and Their Applications", <i>Angew. Chem. Int. Ed. Engl.</i> , 31(4):367-486 (1992)			
	IF	Karin, M. "Signal Transduction and Gene Control", <i>Curr. Opin. Cell Biol.</i> , 3: 467-473 (1991)			
	IG	Kawski, A. "Excitation Energy Transfer and its manifestation in Isotropic Media", <i>Photochem Photobiol</i> , 38(4): 487-508 (1983)			
	IH	Kendall, J.M. and M.N. Badminton, "Aequorea victoria bioluminescence moves into an exciting new era", <i>Trends in Biotechnology</i> , 16:216-224 (1998)			
	II	Kennedy, J.F., "Immobilized Enzymes", <i>Solid Phase Biochemistry, Analytical and Synthetic Aspects</i> , Scouten (Ed.). 7:253-391			
	IJ	Kenworthy, A.K. "Imaging Protein-Protein Interactions Using Fluorescence Resonance Energy Transfer Microscopy", <i>Methods</i> , 24: 289-296 (2001)			
	IK	Kent, S.B.H. and R.B. Merrifield, "Preparation and Properties of tert-Butyloxycarbonylaminoacyl-4-(oxymethyl)phenylacetamidomethyl-(Kel F-g-styrene) Resin, and Insoluble, Noncrosslinked Support for Solid Phase Peptide Synthesis", <i>Israel J. Chem.</i> , 17:243-247 (1979)			
	IL	Kick, E.K. and J.A. Ellman, "Expedient method for the solid-phase synthesis of aspartic acid protease inhibitors directed toward the generation of libraries", <i>J. Med. Chem.</i> , 38(9):1427-1430 (1995)			
	IM	Klick, K.L. et al., "Incorporation of Azides into Recombinant Proteins for Chemoselective Modification by the Saudinger Ligation", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 99(1):19-24 (2002)			
	IN	Kim, J.-S. and C.O. Pabo, "Getting a Handhold on DNA: Design of Poly-zinc Finger Proteins with Femtomolar Dissociation Constants", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 95:2812-2817 (1998)			
	IO	Köhler, G. and C. Milstein, "Derivation of specific antibody-producing tissue culture and tumor lines by cell fusion", <i>Eur. J. Immunol.</i> , 6(7):511-519 (1976)			
	IP	Köhler, G. and C. Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity", <i>Nature</i> , 256(5517):495-497 (1975)			
	IQ	Koide, A. et al, "The Fibronectin Type III Domain as a Scaffold for Novel Binding Proteins", <i>J. Mol. Biol.</i> , 284(4):1141-1151 (1998)			
	IR	Kondejewski, L.H. et al., "Dissociation of Antimicrobial and Hemolytic Activities in Cyclic Peptide Diastereomers by Systematic Alterations in Amphipathicity", <i>J. Biol. Chem.</i> , 274(19): 13181-13192 (1999)			
	IS	Kornberg, A. et al., "Inorganic Polyphosphate: A Molecule of Many Functions", <i>Annu. Rev. Biochem.</i> , 68:89-125 (1999)			
	IT	Krykbaev, R.A. et al., "Phage Display-selected Sequences of the Heavy-chain CDR3 Loop of the Anti-digoxin Antibody 26-10 Define a High Affinity Binding Site for Position 16-substituted Analogs of Digoxin", <i>J. Biol. Chem.</i> , 276(11):8149-8158 (2001)			
	IU	Kucherlapati, R.S. et al., "Homologous Recombination in Monkey Cells and Human Cell-free Extracts", <i>Cold Spring Harb Symp Quant Biol.</i> , 49:191-197 (1984)			
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	IV	Kumble, K.D. and A. Kornberg, "Endopolyphosphatases for long chain inorganic polyphosphate in yeast and mammals", <i>J. Biol. Chem.</i> , <u>271</u> (43):27146-27151 (1996)					
	IW	Kumble, K.D. and A. Kornberg, "Inorganic Polyphosphate in Mammalian Cells and Tissues", <i>J. Biol. Chem.</i> , <u>270</u> (11):5818-5822 (1995)					
	IX	Kumble, K.D. and J.K. Vishwanatha, "Immunoelectron microscopic analysis of the intracellular distribution of primer recognition proteins, annexin 2 and phosphoglycerate kinase, in normal and transformed cells", <i>J. Cell Sci.</i> , <u>99</u> (4):751-758 (1991)					
	IY	Kumble, K.D. et al., "Enhanced levels of annexins in pancreatic carcinoma cells of Syrian hamsters and their intrapancreatic allografts" <i>Cancer Res.</i> , <u>52</u> (1):163-167 (1992).					
	IZ	Kumble, K.D. et al., "Phosphohistidyl active sites in polyphosphate kinase of <i>Escherichia coli</i> .", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>93</u> (25):14391-14395.(1996)					
	JA	Kumble, K.D. et al., "The role of primer recognition proteins in DNA replication: inhibition of cellular proliferation by antisense oligodeoxyribonucleotides", <i>J. Cell Sci.</i> , <u>101</u> (1):35-41 (1992)					
	JB	Kumble, K.D. "Protein microarrays: new tools for pharmaceutical development", <i>Anal. Bioanal. Chem.</i> , <u>377</u> (5):812-819.(2003)					
	JC	Ladurner, A.G. and A.R. Fersht, "Glutamine, Alanine or Glycine Repeats Inserted into the Loop of a Protein Have Minimal Effects on Stability and Folding Rate", <i>J. Mol. Biol.</i> , <u>273</u> :330-337 (1997)					
	JD	Landegren, U. et al., "A Ligase-Mediated Gene Detection Technique", <i>Science</i> , <u>241</u> :1077-1080 (1988)					
	JE	Lemamy, G.-J. et al., "High-affinity antibodies from hen's-egg yolks against human mannose-6-phosphate/insulin-like growth-factor-II receptor (M6P/IGFII-R): characterization and potential use in clinical cancer studies", <i>Int. J. Cancer</i> , <u>80</u> (6):896-902 (1999)					
	JF	Lemieux, G.A. and C.R. Bertozzi, "Chemoselective ligation reactions with proteins, oligosaccharides and cells", <i>Trends Biotechnol.</i> , <u>16</u> (12):506-513 (1998)					
	JG	Lemmo, et al., "Characterization of an inkjet chemical microdispenser for combinatorial library synthesis", <i>Anal. Chem.</i> , <u>69</u> (4):543-551 (1997).					
	JH	Lerner, R.A., "Tapping the immunological repertoire to produce antibodies of predetermined specificity", <i>Nature</i> , <u>299</u> :592-596 (1982)					
	JI	Lew, A.M. et al., "A protective monoclonal antibody recognizes a linear epitope in the precursor to the major merozoite antigens of <i>Plasmodium chabaudi adami</i> ", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>86</u> :3768-3772 (1989)					
	JJ	Lin, C. et al., "Introduction of sulfhydryl groups into proteins at carboxyl sites", <i>Biochim. Biophys. Acta</i> , <u>1038</u> : 382-385 (1990)					
	JK	Liu, Z.-G. et al. "An Efficient Method for Blunt-End Ligation of PCR Products", <i>BioTechniques</i> , <u>12</u> (1):28-30 (1989)					
	JL	Loetscher, P. et al., "Immobilization of Monoclonal Antibodies for Affinity Chromatography Using a Chelating Peptide", <i>J. Chromatography</i> , <u>595</u> :113-119 (1992)					
	JM	Lucklow, V.A. et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ", <i>J. Virol.</i> , <u>67</u> (8):4566-4579 (1993)					
	JN	MacGregor, G.R. et al., "Histochemical staining of clonal mammalian cell lines expressing <i>E. coli beta</i> galactosidase indicates heterogeneous expression of the bacterial gene", <i>Somat. Cell Mol. Genet.</i> , <u>13</u> (3):253-265 (1987)					
	JO	Maeji, N.J. et al., "Multi-pin Peptide Synthesis Strategy for T Cell Determinant Analysis", <i>J. Immunol. Meth.</i> , <u>134</u> :23-33 (1990)					
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	JP	Maeji, N.J. <i>et al.</i> , "Grafted Supports Used with the Multipin Method of Peptide Synthesis", <i>Reactive Polymers</i> , 22:203-212 (1994)		
	JQ	Mahan, D.E. <i>et al.</i> , "Phase change enzyme immunoassay", <i>Anal. Biochem.</i> , 162:163-170 (1987)		
	JR	Martin, F. <i>et al.</i> , "Affinity selection of a camelized Vh domain antibody inhibitor of hepatitis C virus NS3 protease", <i>Protein Engineering</i> , 10(5):607-614 (1997)		
	JS	Matsubara, T. <i>et al.</i> , "Selection of ganglioside GM1-binding peptides by using a phage library", <i>FEBS Letters</i> , 456(2):253-256 (1999)		
	JT	Mátyus, L., "Fluorescence resonance energy transfer measurements on cell surfaces. A spectroscopic tool for determining protein interactions", <i>J. Photochem. Photobiol. B: Biol.</i> , 12: 323-337 (1992)		
	JU	McNeil, P.L., "Incorporation of Macromolecules into Living Cells", <i>Methods Cell Biol.</i> , 29:153-173 (1989)		
	JV	Meh, D.A. <i>et al.</i> , "Identification and Characterization of the Thrombin Binding Sites on Fibrin", <i>J. Biol. Chem.</i> , 271(38):23121-23125 (1996)		
	JW	Merrifield, R.B., "Solid-Phase Peptide Synthesis. III. An Improved Synthesis of Bradykinin", <i>Biochem.</i> , 3(9):1385-1390 (1964)		
	JX	Mitchell, A.R. <i>et al.</i> , "A New Synthetic Route to tert-Butyloxycarbonylaminoacyl-4-(oxymethyl)phenylacetamidomethyl-resin, an Improved Support for solid-Phase Peptide Synthesis", <i>J. Org. Chem.</i> , 43(14):2845-2852 (1978)		
	JY	Mitchell, A.R. <i>et al.</i> , "Preparation of Aminomethyl-Polystyrene Resin by Direct Amidomethylation", <i>Tetrahedron Letters</i> , 42:3795-3798 (1976)		
	JZ	Mittra, R.D. <i>et al.</i> , "Fluorescence resonance energy transfer between blue-emitting and red-shifted excitation derivatives of the green fluorescent protein", <i>Gene</i> , 173(1):13-17 (1996)		
	KA	Miyawaki, A. <i>et al.</i> , "Fluorescent indicators for Ca ²⁺ based on green fluorescent proteins and calmodulin", <i>Nature</i> , 388(6645):882-887 (1997)		
	KB	Montminy, M.R. <i>et al.</i> , "Identification of a cyclic-AMP-responsive element within the rat somatostatin gene", <i>Proc. Natl. Acad. Sci.</i> , 83:6682-6686 (1986).		
	KC	Mor, A., "Peptide-Based Antibiotics: A Potential Answer to Raging Antimicrobial Resistance", <i>Drug Develop. Res.</i> , 50(3-4):440-447 (2000)		
	KD	Mosbach, R. <i>et al.</i> , "Immobilization of Enzymes to Various Acrylic Copolymers", <i>Methods in Enzymology</i> , 44:53-65 (1976)		
	KE	Mücke, M. <i>et al.</i> , "Imaging DNA Loops Induced by Restriction Endonuclease EcoRII", <i>J. Biol. Chem.</i> , 275(39):30631-30637 (2000)		
	KF	Newton, D.L. <i>et al.</i> , "Angiogenin Single-Chain Immunofusions: Influence of Peptide Linkers and Spacers between Fusion Protein Domains", <i>Biochemistry</i> , 35:545-553; (1996)		
	KG	Nord, K. <i>et al.</i> , "Recombinant Human Factor VIII-specific Affinity Ligands Selected From Phage-displayed Combinant Libraries of Protein A", <i>Eur. J. Biochem.</i> , 268:4269-4277 (2001)		
	KH	Novotny, J. <i>et al.</i> , "Antigenicity of Myohemerythrin", <i>Science</i> , 238(4833): 1584-1586 (1988)		
	KI	O'Day, W.T. and H.R. Fernandez, "Aristostomias scintillans (Malacostiedae): a deep sea fish with visual pigments apparently adapted to its own bioluminescence", <i>Vision Res.</i> , 14:545-550 (1974)		
	KJ	Padwa, A. and D. Pashayan, "Photoelimination of a β -Keto Sulfide with a Low-Lying π - π^* Triplet State", <i>J. Org. Chem.</i> , 36(23):3550-3552 (1971)		

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	KK	Patwardham, A.V. <i>et al.</i> , "Selection of optimum affinity tags from a phage-displayed peptide library. Application to im mobilized copper(II) affinity chromatography", <i>J. Chromatogr. A.</i> , <u>787</u> (1-2):91-100 (1997)
	KL	Peelle, B. <i>et al.</i> , "Intracellular protein scaffold-mediated display of random peptide libraries for phenotypic screens in mammalian cells", <i>Chem. Biol.</i> , <u>8</u> (5):521-534 (2001).
	KM	Peerce, B.E. and Wright, E.M., "Distance between substrate sites on the Na-glucose cotransporter by fluorescence energy transfer", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>83</u> :8092-8096 (1986)
	KN	Pessi, A. <i>et al.</i> , "A designed metal-binding protein with a novel fold", <i>Nature</i> , <u>362</u> (6418):367-369 (1993)
	KO	Pidgeon, C., "Solid Phase Membrane Mimetics: Immobilized Artificial Membranes", <i>Enzym. Microb. Technol.</i> , <u>12</u> :149-150 (1990)
	KP	Pinilla, C. <i>et al.</i> , "Exploring immunological specificity using synthetic peptide combinatorial libraries", <i>Curr. Opin. Immunol.</i> , <u>11</u> :193-202 (1999)
	KQ	Pollok and Heim, "Using GFP in FRET-based applications", <i>Trends in Cell Biol.</i> , <u>9</u> :57-60 (1999)
	KR	Powers <i>et al.</i> , "Protein Purification by Affinity Binding to Unilamellar Vesicles", <i>Biotechnol. Bioengineering</i> , <u>33</u> :173-182 (1989)
	KS	Puttaraju, M. <i>et al.</i> , "Spliceosome-mediated RNA <i>trans</i> -Splicing as a Tool for Gene Therapy", <i>Nature Biotech.</i> , <u>17</u> (3):246-252 (1999)
	KT	Randolph, J.T. <i>et al.</i> , "Major Simplifications in Oligosaccharide Syntheses Arising from a Solid-Phase Based Method: An Applicatio to the Synthesis of the Lewis b Antigen", <i>J. Am. Chem. Soc.</i> , <u>117</u> :5712-5719 (1995).
	KU	Rebar, E.J. <i>et al.</i> , "Zinc Finger Phage:Affinity Selection of Fingers with New DNA-Binding Specificities", <i>Science</i> <u>263</u> :671-673 (1994)
	KV	Rodda, S.J. and G. Tribbick, "Antibody-Defined Epitope Mapping Using the Multipin Method of Peptide Synthesis", <i>Methods: A Companion to Methods in Enzymology</i> , <u>9</u> (3):473-481 (1996)
	KW	Rodda, S.J. <i>et al.</i> "Epitope Delineation Using Multiple Peptide Synthesis", <i>Structure of Antigens</i> , Van Regenmortel (Ed.) <u>3</u> :37-60 (1996)
	KX	Rodebaugh, R. <i>et al.</i> , "A New o-Nitrobenzyl Photocleavable Linker for Solid Phase Synthesis" <i>Tetrahedron Letters</i> <u>38</u> (44):7653-7657 (1997)
	KY	Romito, M. <i>et al.</i> , "Eliciting Antigen-Specific Egg Yolk IgY with naked DNA", <i>BioTechniques</i> , <u>31</u> (3):670-675 (2001)
	KZ	Runnels and Scarlata, "Theory and Application of Fluorescence Homotransfer to Melittin Oligomerization", <i>Biophys. J.</i> , <u>69</u> :1569-1583 (1995)
	LA	Sambrook (Ed.), <i>et al.</i> , "Molecular Cloning, A Laboratory Manual", Second Edition, Ch. 1&8: pp 1-110 (ch.1)and 1-86 (ch.8, Cold Spring Harbor Laboratory Press (1989)
	LB	Saxon, E. <i>et al.</i> , "A "traceless" Staudinger ligation for the chemoselective synthesis of amide bonds", <i>Org. Lett.</i> <u>2</u> (14):2141-2143 (2000)
	LC	Schoofs, P.G. <i>et al.</i> , "Epitopes of an influenza viral peptide recognized by antibody at single amino acid resolution", <i>Journal of Immunology</i> , <u>140</u> (2):611-616 (1988).
	LD	Scott, J.K. and G.P. Smith, "Searching for Peptide Ligands with an Epitope Library", <i>Science</i> , <u>249</u> :386-390 (1990)
	LE	Selvin, P.R., "Fluorescence Resonance Energy Transfer", <i>Methods in Enzymology</i> , <u>246</u> :300-334 (1995)

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	LF	Senter, P.D. <i>et al.</i> , "Novel Photocleavable Protein Crosslinking Reagents and Their Use in the Preparation of Antibody-Toxin Conjugates", <i>Photochem. Photobiol.</i> , <u>42(3)</u> :231-237 (1985)					
	LG	Serrero, G. <i>et al.</i> , "Adipose differentiation related protein: expression, purification of recombinant protein in Escherichia coli and characterization of its fatty acid binding properties", <i>Biochim. Biophys. Acta</i> , <u>1488(3)</u> :245-254 (2000)					
	LH	Sheng, M. and M.E. Greenberg, "The regulation and function of c-fos and other immediate early genes in the nervous system," <i>Neuron</i> , <u>4</u> :477-485 (1990).					
	LI	Sheriff, S. and K.L. Constantine, "Redefining the minimal antigen-binding fragment", <i>Nat. Struct. Biol.</i> , <u>3(9)</u> :733-736 (1996)					
	LJ	Short, J.M. <i>et al.</i> , "Characterization of the phosphoenolpyruvate carboxykinase (GTP) promoter-regulatory region," <i>J. Biol. Chem.</i> , <u>261</u> :9721-9726 (1986).					
	LK	Shukla, D.D. <i>et al.</i> , "Localization of virus-specific and group-specific epitopes of plant potyviruses by systematic immunochemical analysis of overlapping peptide fragments", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>8</u> :8192-8196 (1989)					
	LL	Shulman, M. <i>et al.</i> , "A better cell line for making hybridomas secreting specific antibodies", <i>Nature</i> <u>276(5685)</u> :269-270 (1978)					
	LM	Skerra, A., "Lipocalins as a scaffold", <i>Biochim. Biophys. Acta</i> , <u>1482(1-2)</u> :337-350 (2000)					
	LN	Skerra, A., "Engineered protein scaffolds for molecular recognition", <i>J. Mol. Recognit.</i> , <u>13(4)</u> :167-187 (2000)					
	LO	Sleeman, M.A. <i>et al.</i> , "Gene Expression in Rat Dermal Papilla Cells: Analysis of 2529 ESTs", <i>Genomics</i> , <u>69(2)</u> :214-224 (2000)					
	LP	Sleeman, M.A. <i>et al.</i> , "B cell- and monocyte-activating chemokine (BMAC), a novel non-ELR alpha-chemokine", <i>Int. Immunol.</i> , <u>12(5)</u> :677-89 (2000)					
	LQ	Sleeman, M.A. <i>et al.</i> , "Identification of a new fibroblast growth factor receptor", <i>Gene</i> , <u>271(2)</u> :171-182 (2001)					
	LR	Smith, M.C. <i>et al.</i> , "Kinetically Inert Co(III) Linkage Through an Engineered Metal Binding Site: Specific Orientation of Recombinant Human Papillomavirus Type 16 E7 Protein on a Solid Support", <i>Methods: A Companion to Methods in Enzymology</i> , <u>4</u> :73-78 (1992)					
	LS	Songyang, Z. <i>et al.</i> , "SH2 domains recognize specific phosphopeptide sequences", <i>Cell</i> , <u>72(5)</u> :767-778 (1993)					
	LT	Southworth, M.W. <i>et al.</i> , "Control of Protein Splicing by Intein Fragment Reassembly", <i>EMBO J.</i> , <u>17(4)</u> :918-926 (1998)					
	LU	Sparks, A.B. <i>et al.</i> , "Mapping the specificity of SH3 domains with phage-displayed random-peptide libraries", <i>Methods Mol. Biol.</i> , <u>84</u> :87-103 (1998)					
	LV	Staros, J.V. <i>et al.</i> , "Enhancement by N-Hydroxysulfosuccinimide of Water-Soluble Carbodiimide-Mediated Coupling Reactions", <i>Anal. Biochem.</i> , <u>156</u> : 220-222 (1986)					
	LW	Stemmer, W.P.C. <i>et al.</i> , "Single-step assembly of a gene and entire plasmid from large numbers of oligodeoxyribonucleotides", <i>Gene</i> , <u>164(1)</u> :49-53 (1995)					
	LX	Stemmer, W.P.C., "DNA Shuffling by Random Fragmentation and Reassembly: In vitro Recombination for Molecular Evolution", <i>Proc. Natl. Acad. Sci. USA</i> , <u>91</u> :10747-10751 (1994)					
	LY	Stewart, W.W. "Lucifer dyes—highly fluorescent dyes for biological tracing", <i>Nature</i> , <u>292</u> :17-21 (1981)					
	LZ	Strachan, L. <i>et al.</i> , "Cloning and Biological Activity of Epigen, a Novel Member of the Epidermal Growth Factor Superfamily", <i>J. Biol. Chem.</i> , <u>276(21)</u> :18265-18271 (2001)					

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	MA	Stryer, L. and R.P. Haugland, "Energy Transfer: A Spectroscopic Ruler", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 58 : 719-726 (1967)
	MB	Sucholeiki, I., "Solid-Phase Photochemical C-S Bond Cleavage of Thioethers-A New Approach to the the Solid-Phase Production of Non-Peptide Molecules", <i>Tetrahedron Letters</i> , 35 (40):7307-7310 (1994)
	MC	Suhrbier, A. <i>et al.</i> , "Role of Single Amino Acids in the Recognition of a T Cell Epitope", <i>J. of Immunol.</i> , 147 (8):2507-2513 (1991)
	MD	Sun, S., "Technology evaluation: SELEX, Gilead Sciences Inc", <i>Current Opinion in Molecular Therapeutics</i> , 2 (1): 100-105 (2000)
	ME	Swimmer, C. <i>et al.</i> , "Phage Display of Ricin B Chain and its Single Binding Domains: System for Screening Galactose-Binding Mutants", <i>Proc. Natl. Acad. Sci. USA</i> , 89 :3756-3760 (1992)
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	MO	Vedejs, E. and D.A. Perry, "A Method for Mild Photochemical Oxidation; Conversion of Phenacyl Sulfides into Carbonyl Compounds", <i>J. Org. Chem.</i> , 49 :573-575 (1984)
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	MR	Volk, W.A. <i>et al.</i> , "Monoclonal Antibodies to the Glycoprotein of Vesicular Stomatitis Virus: Comparative Neutralizing Activity", <i>J. Virol.</i> , 42 (1):220-227 (1982)
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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17102-005001 (25885-1754)	Application No. 10/699,088
	Applicant Dana Ault-Riche, Ph.D., et. al		
	Filing Date October 30, 2003	Group Art Unit 1645	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
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	MX	Weiler, J. <i>et al.</i> , "Hybridisation Based DNA Screening on Peptide Nucleic Acid (PNA) Oligomer Arrays", <i>Nucl. Acids Res.</i> , <u>25(14)</u> :2792-2799 (1997)
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	NA	Wellings, D.A. and E. Atherton, "Standard Fmoc Protocols", <i>Methods Enzymol.</i> , <u>289</u> : 44-67 (1997)
	NB	Westerlund-Wikstrom, B., "Peptide display on bacterial flagella: principles and applications", <i>Int. J. Med. Microbiol.</i> , <u>290(3)</u> :223-230 (2000)
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	NE	Wong, S. "Conjugation of Proteins to Solid Matrices", <i>Chemistry of Protein Conjugation and CrossLinking</i> , CRC Press, <u>12</u> :295-317 (1993)
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	NH	Wu, H. <i>et al.</i> , "Protein trans-splicing and functional mini-inteins of a cyanobacterial dnaB intein", <i>Biochim Biophys Acta</i> , <u>1387(1-2)</u> :422-432 (1998)
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	NJ	Xu, H. <i>et al.</i> , "A novel PCNA-binding motif identified by the panning of a random peptide display library", <i>Biochemistry</i> , <u>40(14)</u> :4512-4520 (2001)
	NK	Yamamoto, K. <i>et al.</i> , "Cyborg lectins: novel leguminous lectins with unique specificities", <i>J. Biochem.</i> , <u>127(1)</u> :137-142 (2000)
	NL	Yen, H.-R. <i>et al.</i> , "Synthesis of Water-Soluble Copolymers Containing Photocleavable Bonds", <i>Makromol. Chem.</i> , <u>190</u> :69-82 (1989)
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				Filing Date October 30, 2003		Group Art Unit 1645	
Other Documents (include Author, Title, Date, and Place of Publication)							
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	NO	Zuckermann, R.N. <i>et al.</i> , "Identification of Highest-Affinity Ligands by Affinity Selection from Equimolar Peptide Mixtures Generated by Robotic Synthesis", <i>Proc. Natl. Acad. Sci. USA</i> , 89 :4505-4509 (1992)					
	NP	Zuckermann, R.N. <i>et al.</i> , "Efficient Method for the Preparation of Peptoids [Oligo(N-substituted glycines)] by Submonometer Solid-Phase Synthesis", <i>J. Am. Chem. Soc.</i> , 114 :10646-10647 (1992)					

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